

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054885.D
 Acq On : 1 Apr 2019 19:53
 Operator : JC/SP
 Sample : K2212-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-03-28-19

Quant Time: Apr 02 04:25:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	523498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	725387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	231944	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	341148	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
35) Dibromofluoromethane	7.59	113	272583	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
50) Toluene-d8	10.09	98	1022447	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.40	95	305779	43.39	ug/l	0.00
Spiked Amount			Recovery	=	86.78%	

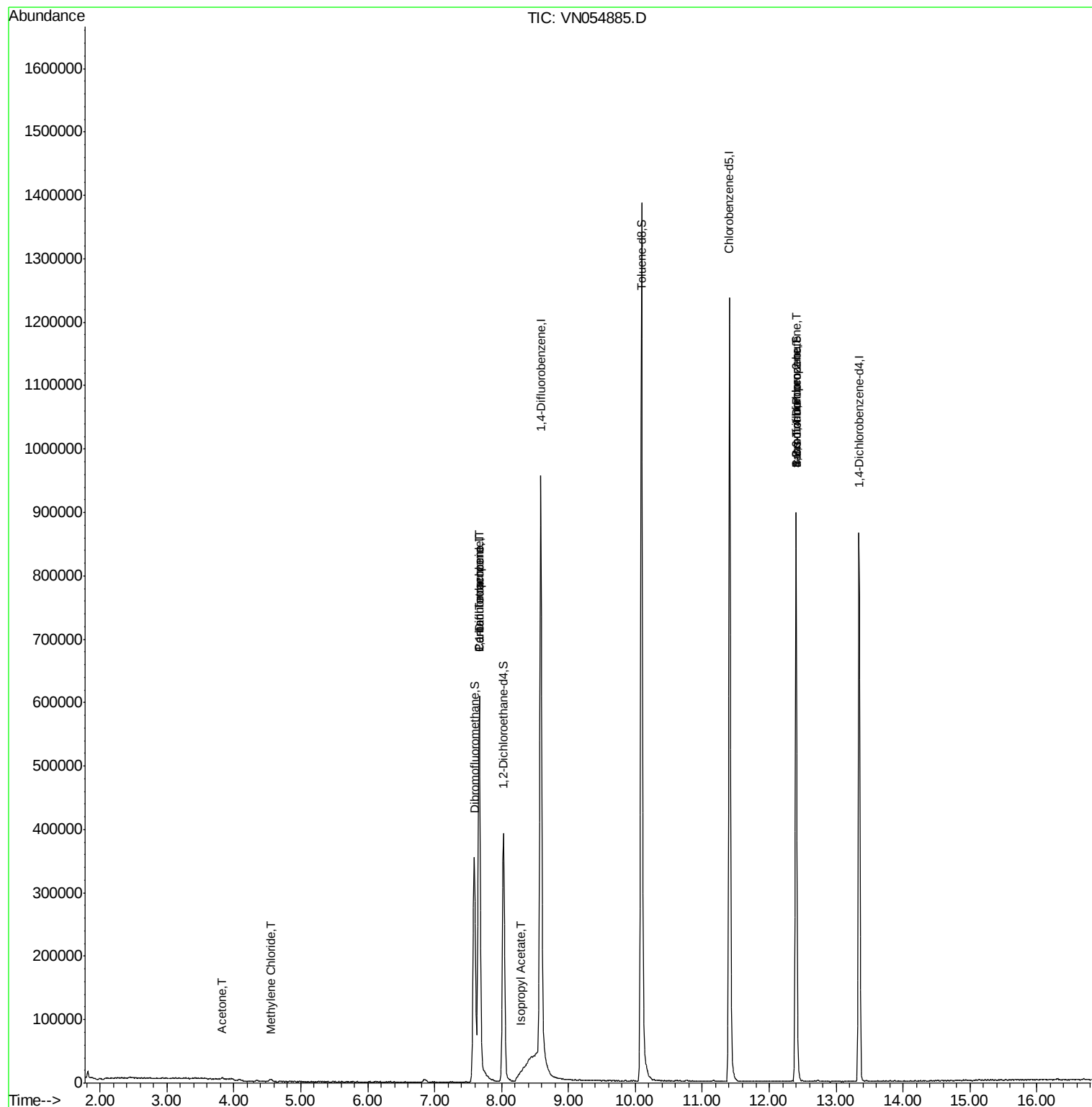
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	174	Below Cal	#	2
16) Acetone	3.82	43	1932	1.148	ug/l	98
18) Methyl Acetate	4.33	43	3097	Below Cal	#	86
20) Methylene Chloride	4.55	84	2332	0.393	ug/l #	90
31) Cyclohexane	7.66	56	11302	Below Cal	#	26
36) 1,1-Dichloropropene	7.66	75	40069	5.030	ug/l #	47
38) Carbon Tetrachloride	7.67	117	49898	6.450	ug/l #	16
43) Isopropyl Acetate	8.30	43	22329	2.353	ug/l #	60
71) Bromoform	12.40	173	1220	0.392	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	191	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	158358	39.301	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	158358	152.869	ug/l #	11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054885.D

Acq: 1 Apr 2019 19:53

Instrument :

MSVOA_N

ClientSampled :

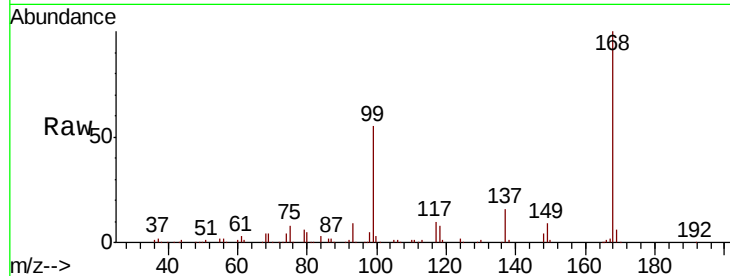
FB-03-28-19

Tot Ion:168 Resp: 523498

Ion Ratio Lower Upper

168 100

99 55.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

200000

150000

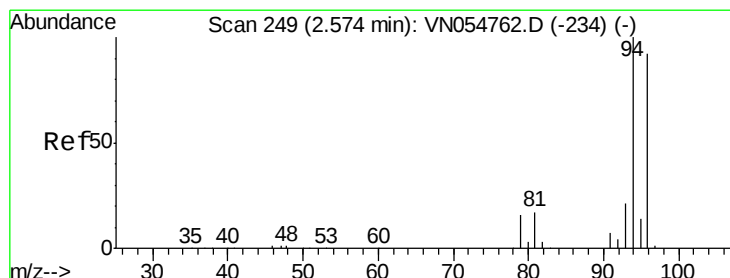
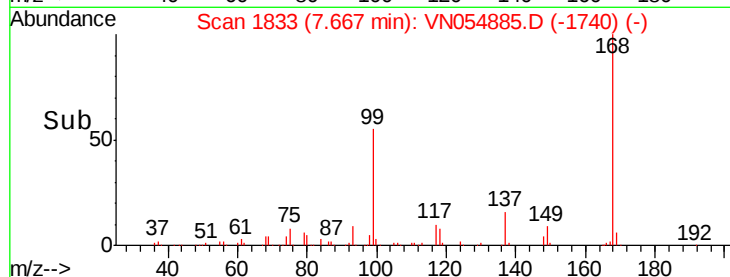
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054885.D

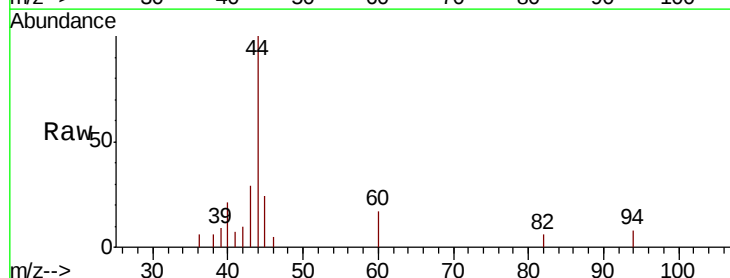
Acq: 1 Apr 2019 19:53

Tgt Ion: 94 Resp: 174

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

300

250

200

150

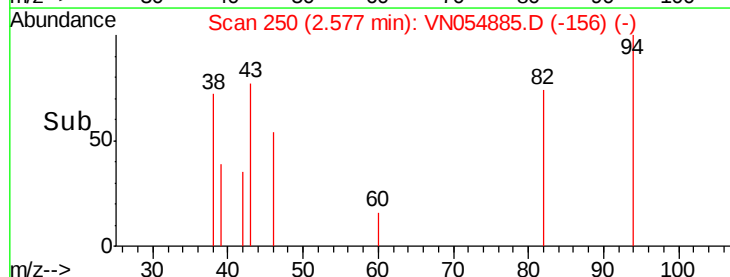
100

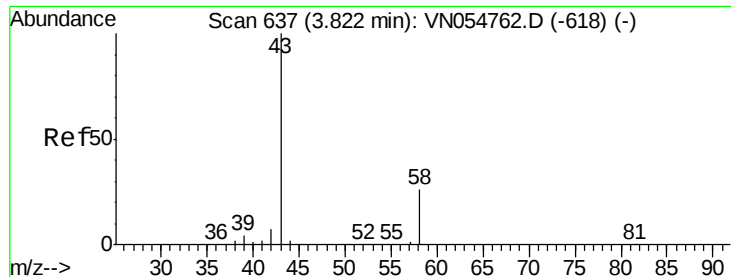
50

0

2.56 2.57 2.58 2.59

Time-->





#16

Acetone

Concen: 1.148 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054885.D

Acq: 1 Apr 2019 19:53

Instrument :

MSVOA_N

ClientSampled :

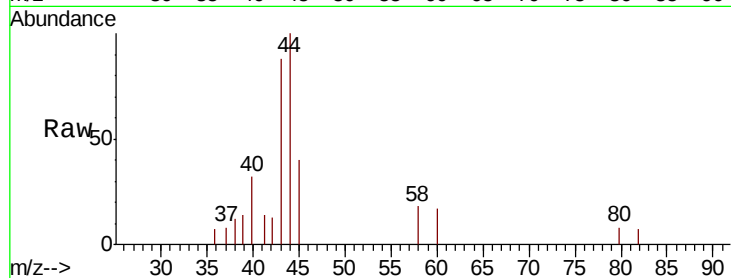
FB-03-28-19

Tot Ion: 43 Resp: 1932

Ion Ratio Lower Upper

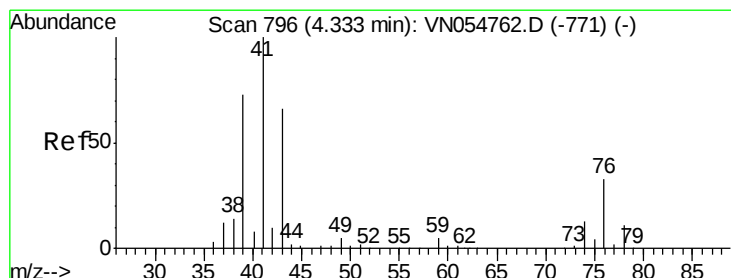
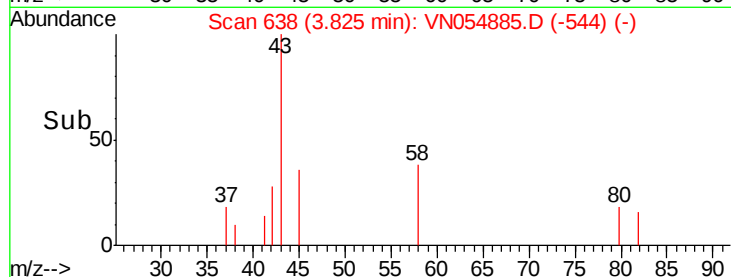
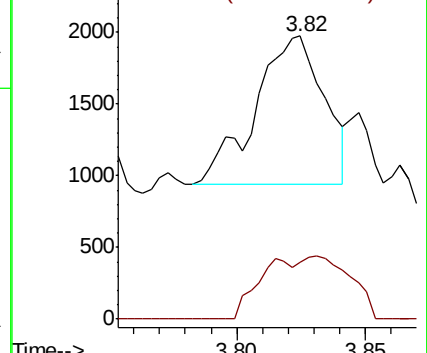
43 100

58 38.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054885.D

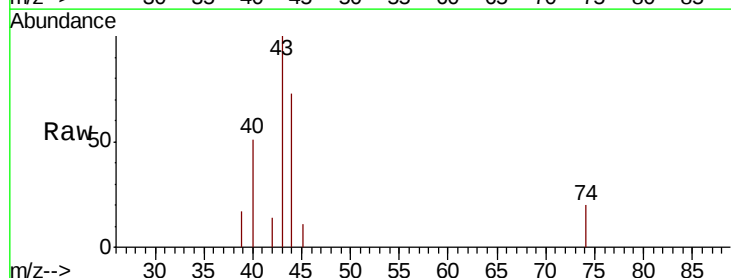
Acq: 1 Apr 2019 19:53

Tgt Ion: 43 Resp: 3097

Ion Ratio Lower Upper

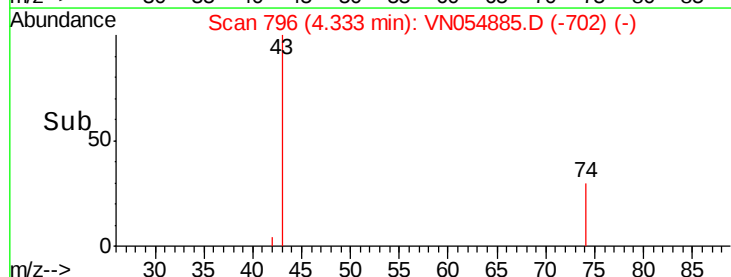
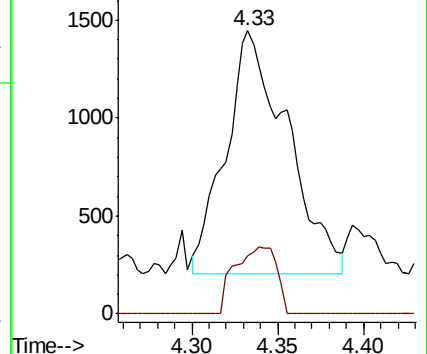
43 100

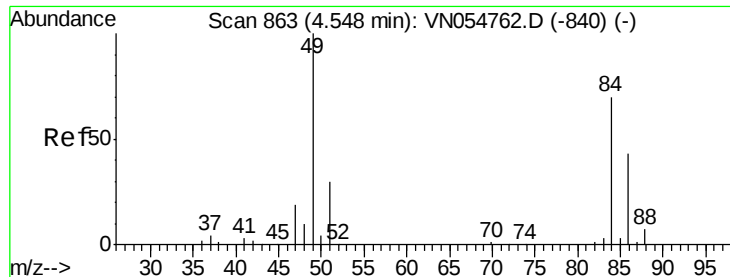
74 18.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

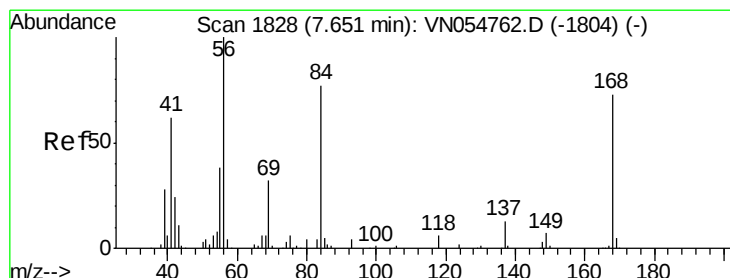
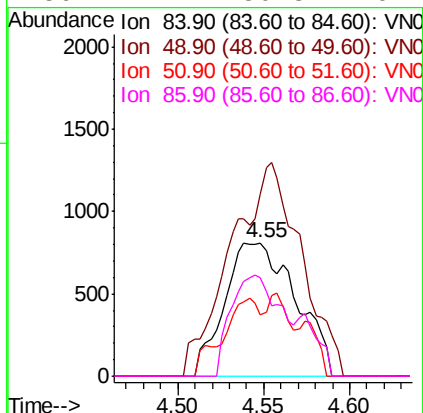
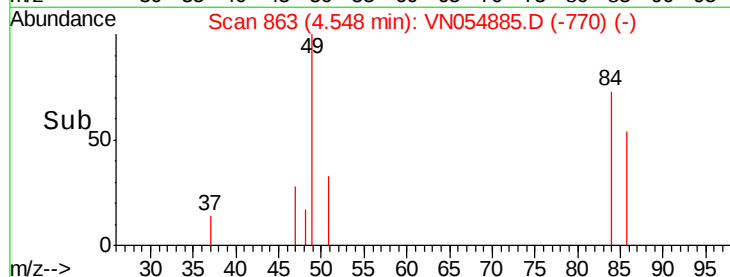
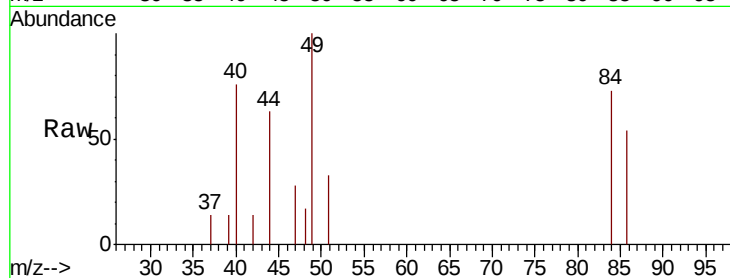




#20
Methylene Chloride
Concen: 0.393 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054885.D
Acq: 1 Apr 2019 19:53

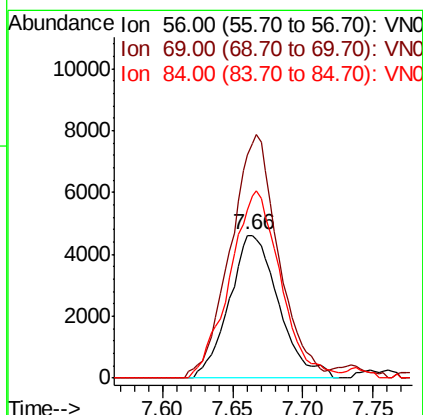
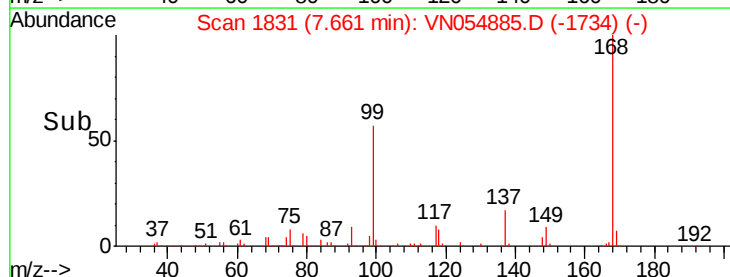
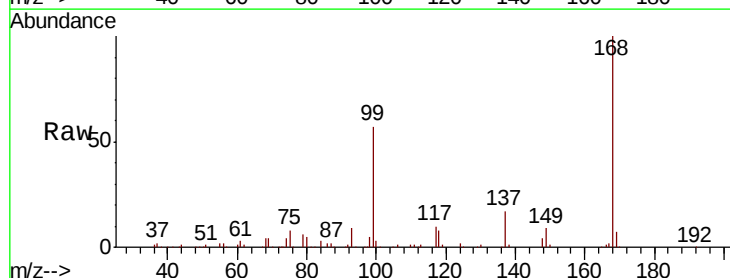
Instrument :
MSVOA_N
ClientSampleId :
FB-03-28-19

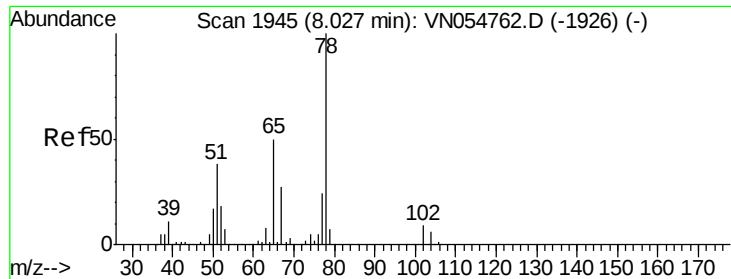
Tot Ion: 84 Resp: 2332
Ion Ratio Lower Upper
84 100
49 117.3 89.7 134.5
51 45.6 28.2 42.4#
86 74.2 50.8 76.2



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054885.D
Acq: 1 Apr 2019 19:53

Tgt Ion: 56 Resp: 11302
Ion Ratio Lower Upper
56 100
69 151.9 27.8 41.6#
84 117.7 74.6 111.8#

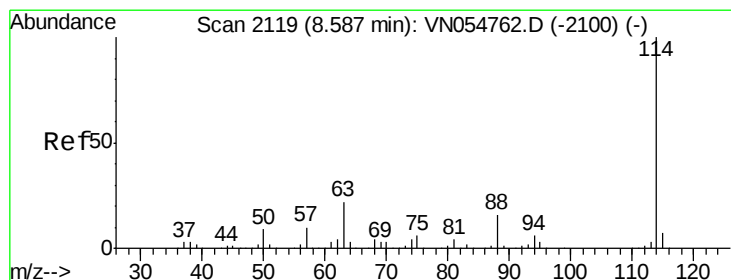
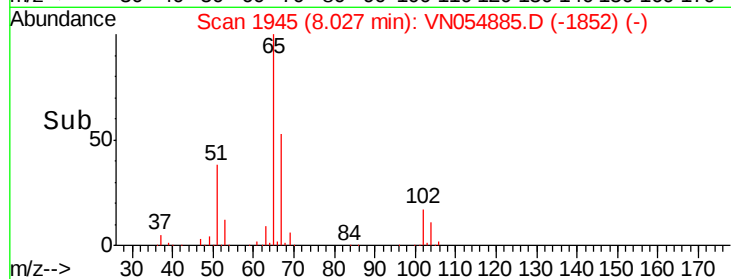
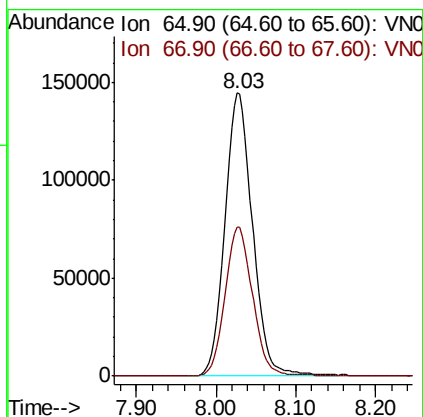
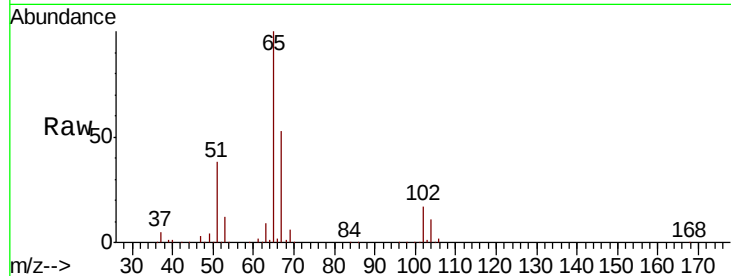




#33
 1,2-Dichloroethane-d4
 Concen: 48.343 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054885.D
 Acq: 1 Apr 2019 19:53

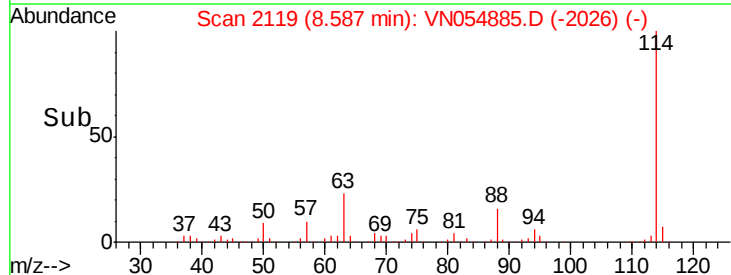
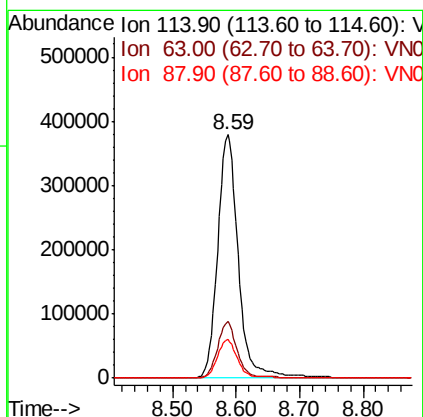
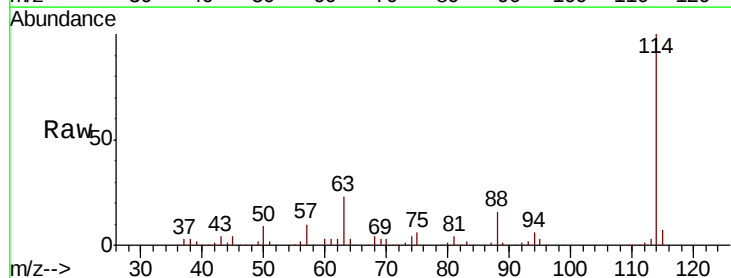
Instrument :
 MSVOA_N
 ClientSampleId :
 FB-03-28-19

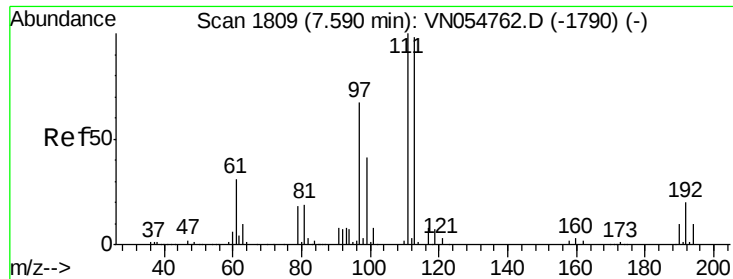
Tot Ion: 65 Resp: 341148
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054885.D
 Acq: 1 Apr 2019 19:53

Tgt Ion: 114 Resp: 854845
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 35.2
 88 15.7 0.0 30.2

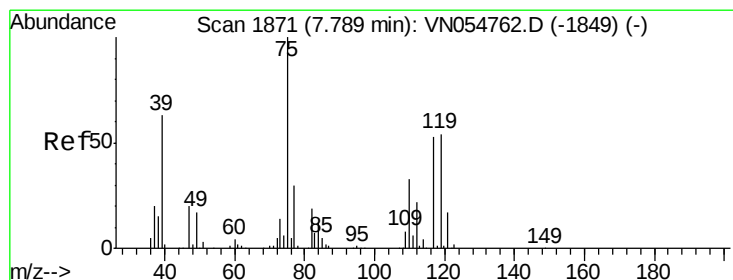
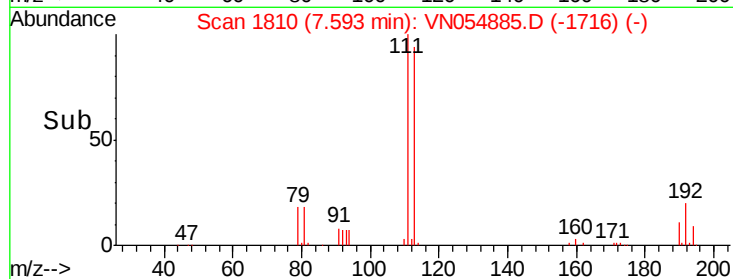
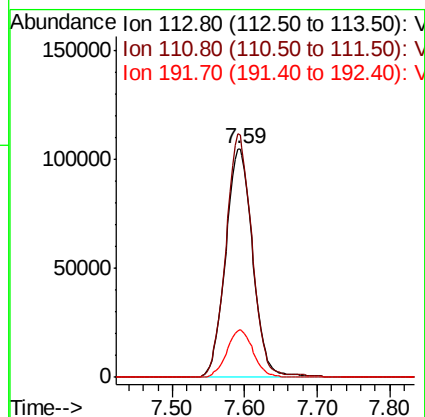
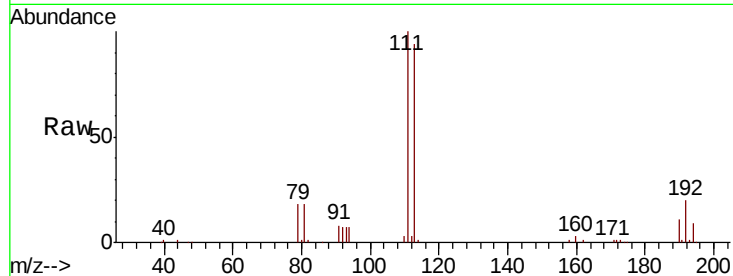




#35
 Dibromofluoromethane
 Concen: 47.829 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054885.D
 Acq: 1 Apr 2019 19:53

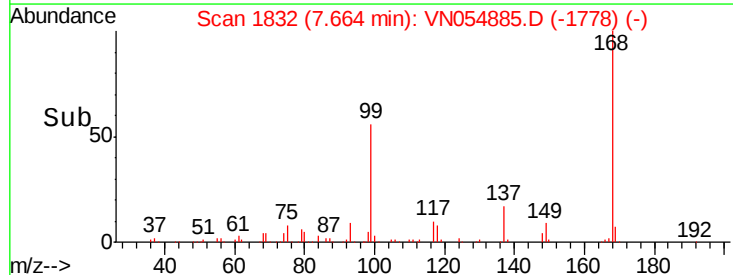
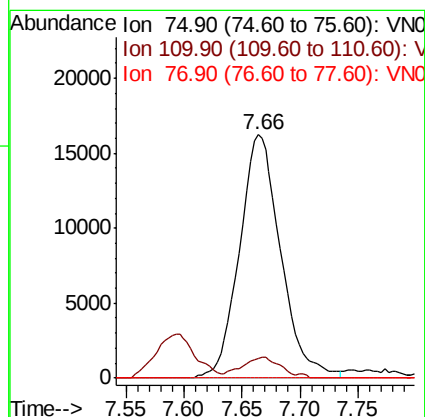
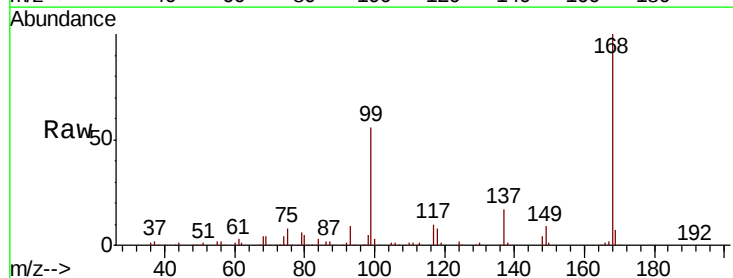
Instrument :
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 ClientSampled :
 FB-03-28-19

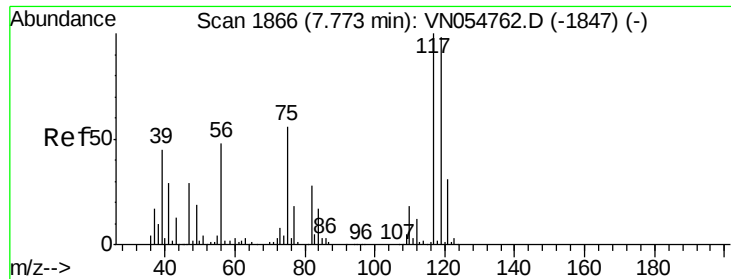
Tot Ion:113 Resp: 272583
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 20.2 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 5.030 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054885.D
 Acq: 1 Apr 2019 19:53

Tgt Ion: 75 Resp: 40069
 Ion Ratio Lower Upper
 75 100
 110 8.3 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.450 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054885.D

Acq: 1 Apr 2019 19:53

Instrument :

MSVOA_N

ClientSampled :

FB-03-28-19

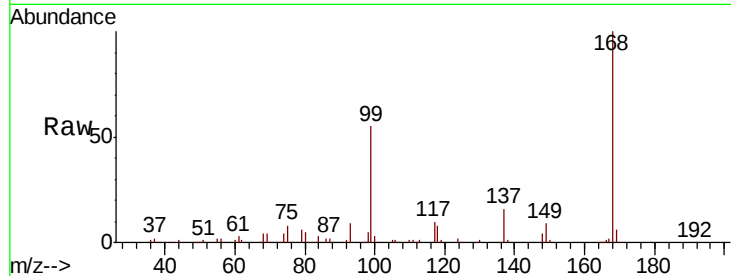
Tot Ion:117 Resp: 49898

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

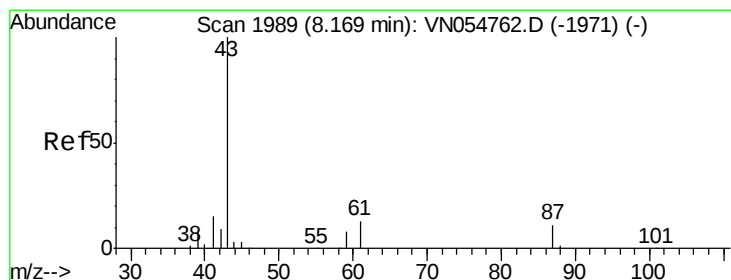
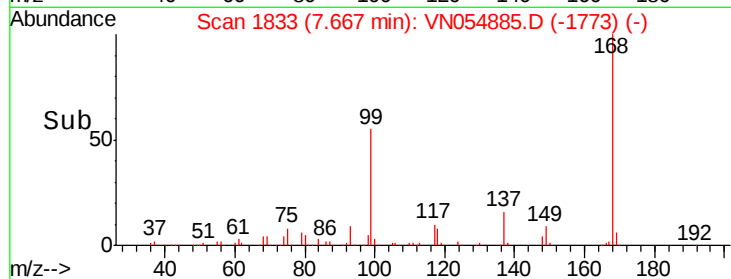
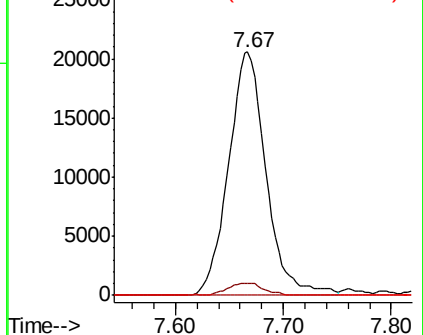
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.353 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.13 min

Lab File: VN054885.D

Acq: 1 Apr 2019 19:53

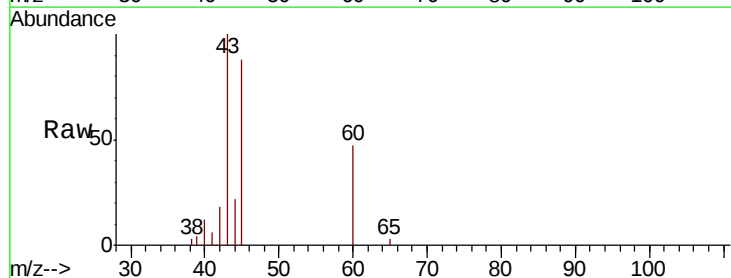
Tgt Ion: 43 Resp: 22329

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

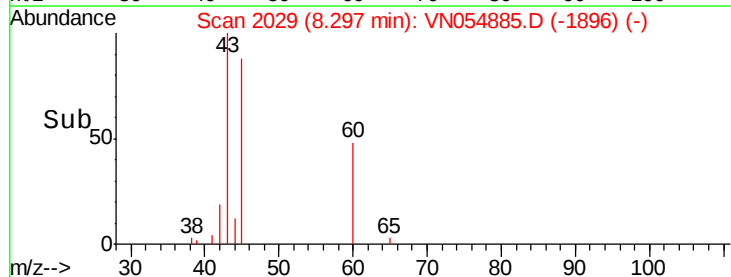
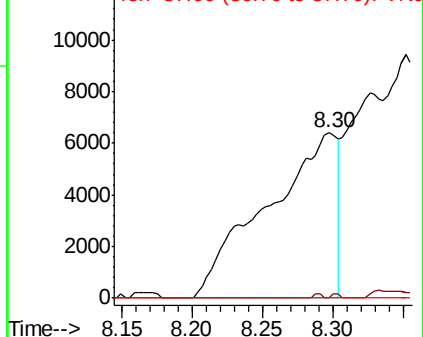
87 0.0 12.0 18.0#

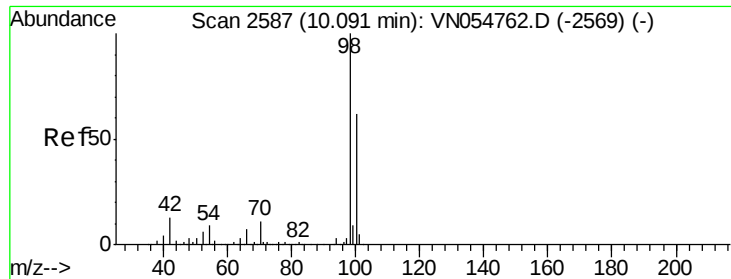


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.255 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054885.D

Acq: 1 Apr 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

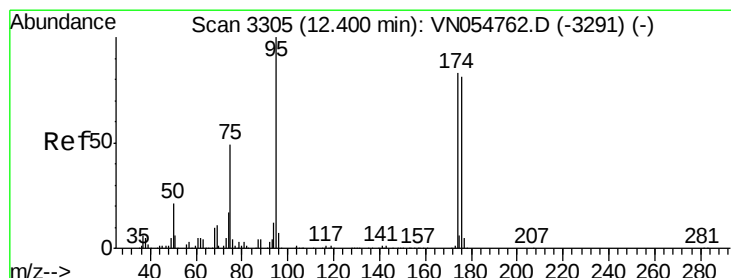
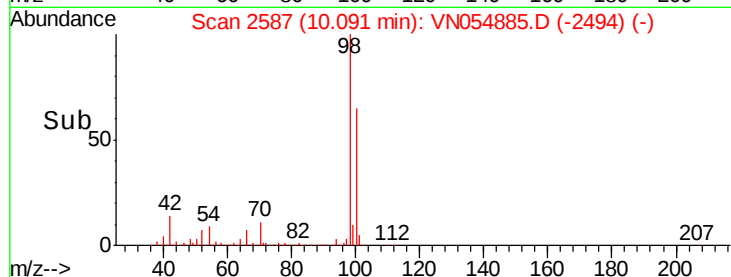
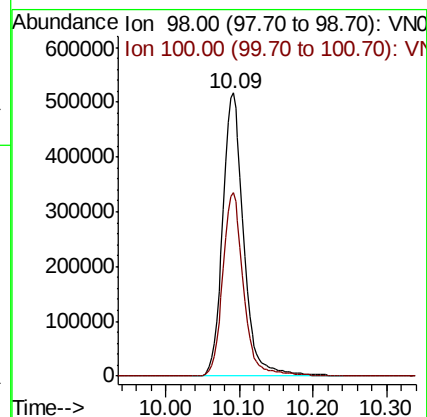
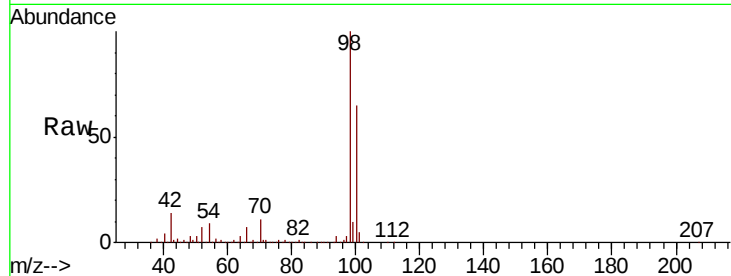
FB-03-28-19

Tot Ion: 98 Resp: 1022447

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 43.393 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054885.D

Acq: 1 Apr 2019 19:53

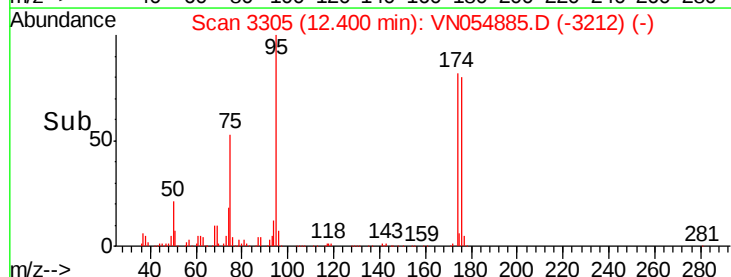
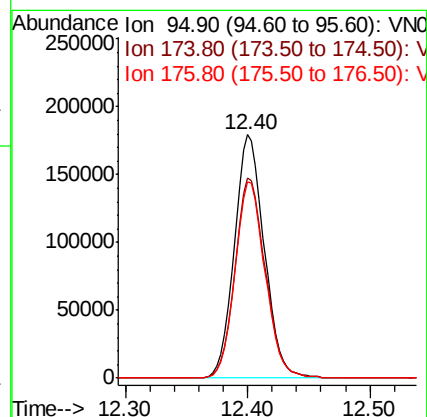
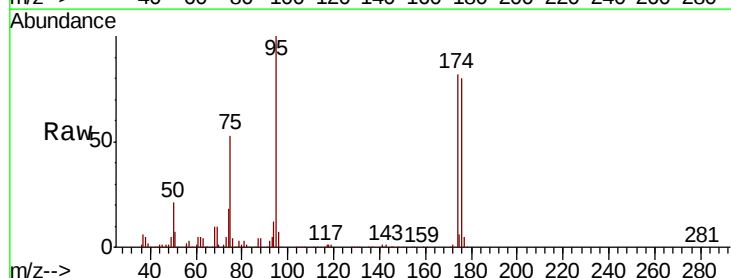
Tgt Ion: 95 Resp: 305779

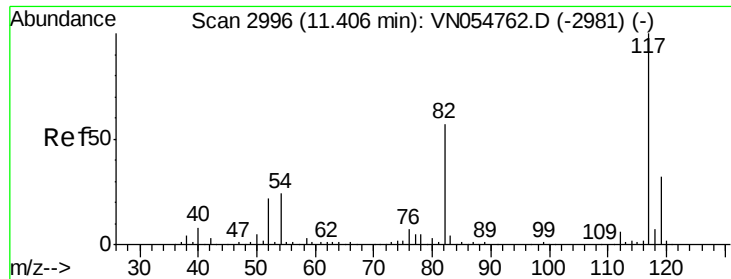
Ion Ratio Lower Upper

95 100

174 83.6 0.0 191.0

176 81.4 0.0 187.4

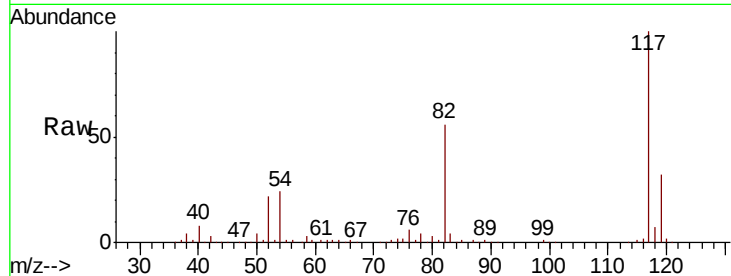




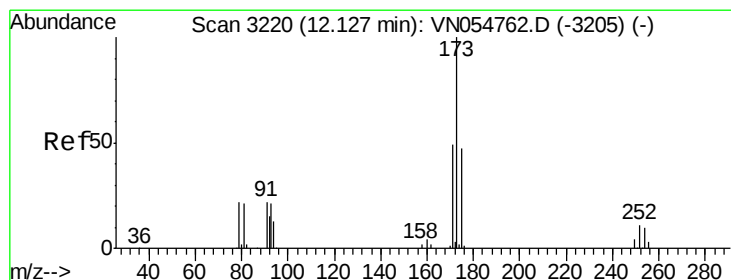
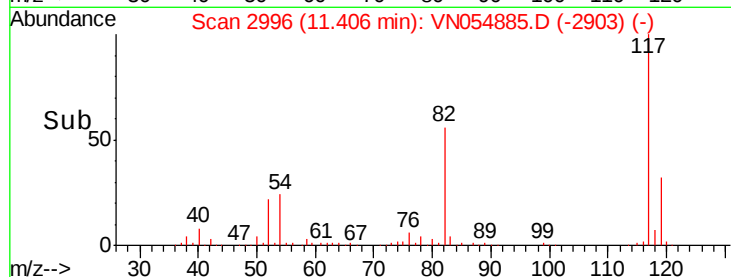
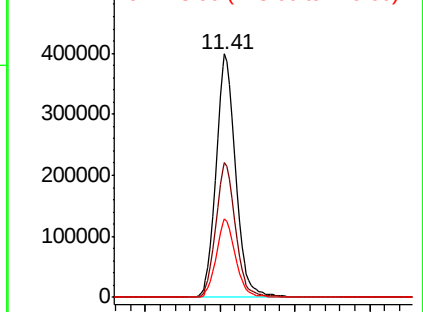
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054885.D
Acq: 1 Apr 2019 19:53

Instrument :
MSVOA_N
ClientSampled :
FB-03-28-19

Tot Ion:117 Resp: 725387
Ion Ratio Lower Upper
117 100
82 55.6 40.0 60.0
119 32.5 25.8 38.6

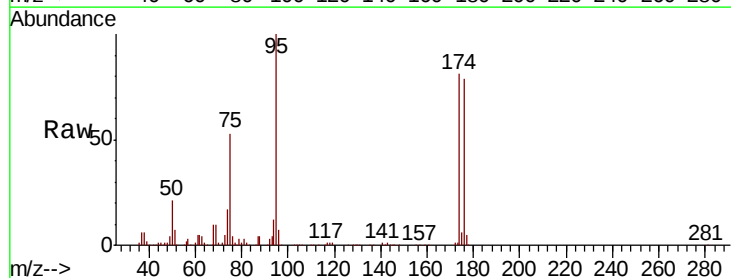


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

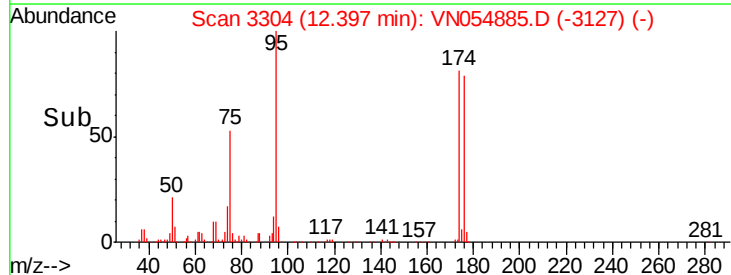
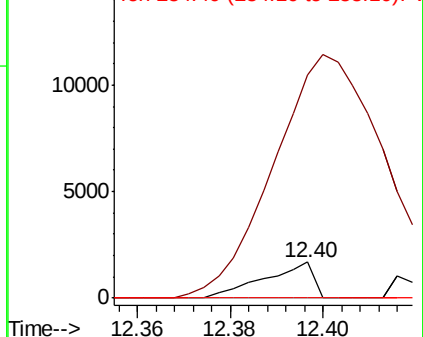


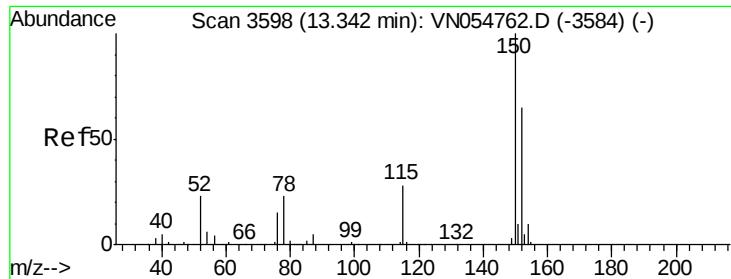
#71
Bromoform
Concen: 0.392 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN054885.D
Acq: 1 Apr 2019 19:53

Tgt Ion:173 Resp: 1220
Ion Ratio Lower Upper
173 100
175 1363.4 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054885.D

Acq: 1 Apr 2019 19:53

Instrument :

MSVOA_N

ClientSampled :

FB-03-28-19

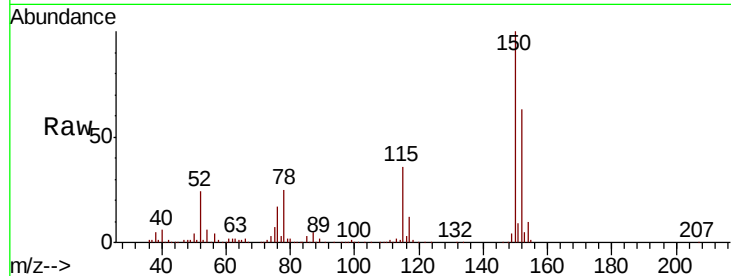
Tot Ion:152 Resp: 231944

Ion Ratio Lower Upper

152 100

115 58.2 27.2 81.6

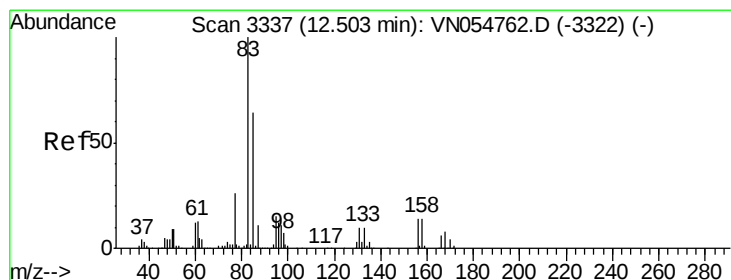
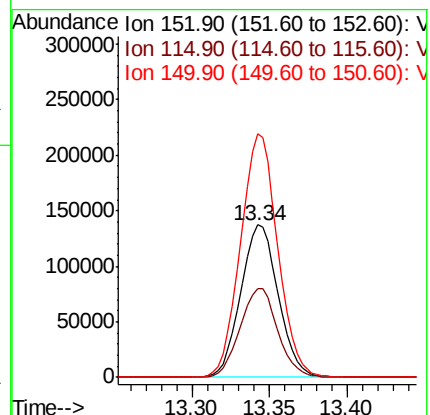
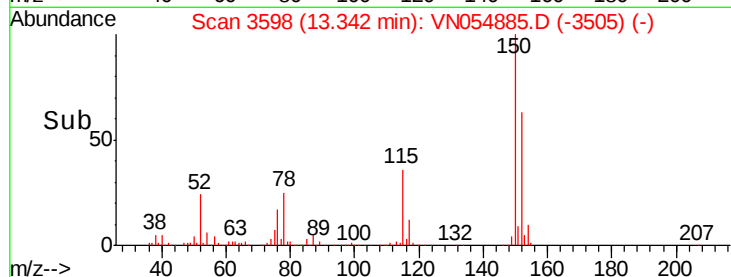
150 157.6 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN054885.D

Acq: 1 Apr 2019 19:53

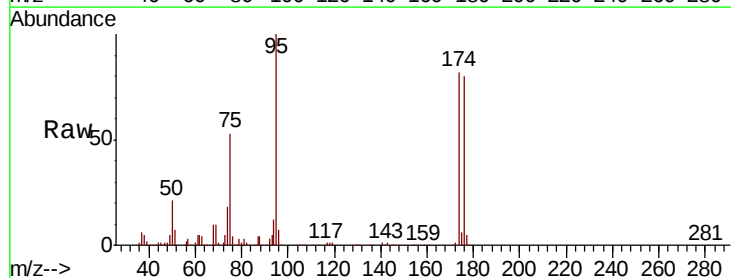
Tgt Ion: 83 Resp: 191

Ion Ratio Lower Upper

83 100

131 123.0 5.8 17.4#

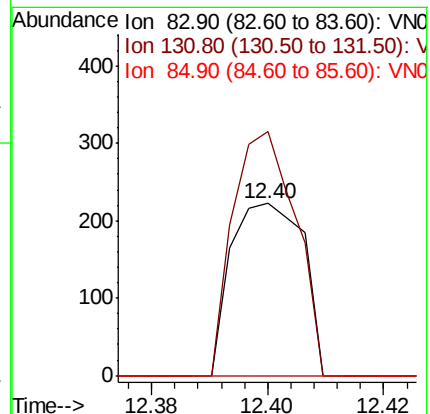
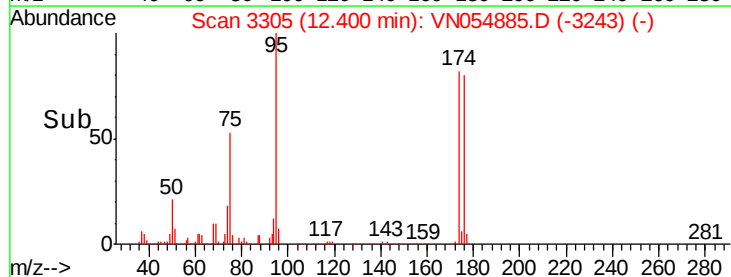
85 0.0 32.2 96.6#

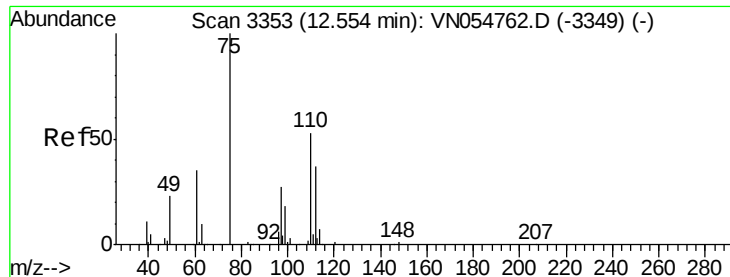


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 39.301 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054885.D

Acq: 1 Apr 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

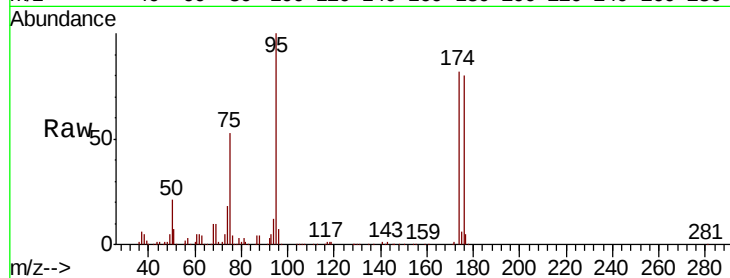
FB-03-28-19

Tot Ion: 75 Resp: 158358

Ion Ratio Lower Upper

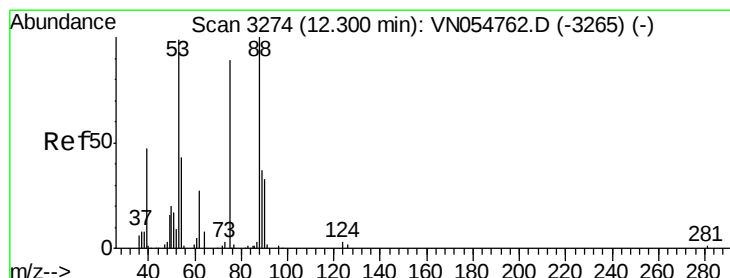
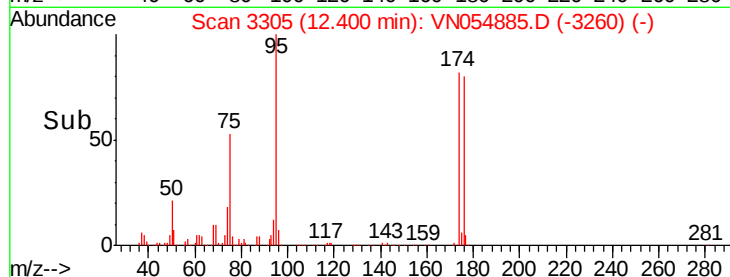
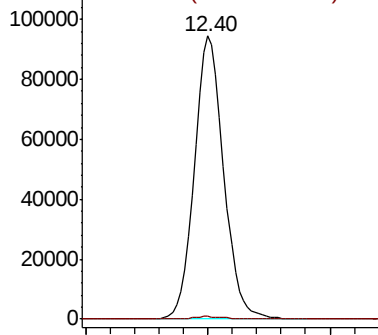
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 152.869 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054885.D

Acq: 1 Apr 2019 19:53

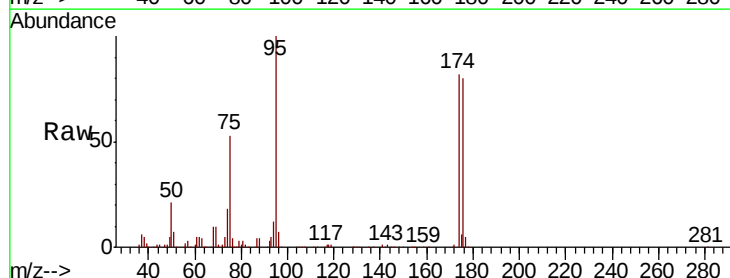
Tgt Ion: 75 Resp: 158358

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

